Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/13/2019 09:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126602	1	1.73	126668	1.71
Blue	F	SSC	125000	125871	0	1.62	126755	1.63
Blue	E	FITC	16122	15833	-2	2.73	344	20.25
Blue	D	PE	29316	28855	-2	1.90	630	14.65
Blue	B	PerCP-Cy5-5	42590	42422	-1	3.70	1147	20.40
Blue	A	PE-Cy7	33146	33057	-1	6.15	634	41.14
Red	C	APC	45473	44831	-2	2.44	1584	12.06
Red	A	APC-Cy7	31961	30882	-4	2.49	816	12.14
Violet	B	V450	7914	7503	-6	4.94	420	13.66
Violet	A	V500	29769	28855	-4	4.79	671	10.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21805	3.88	610	10	N/A	N/A	Pass
Blue	F	SSC	57288	1.14	553	15	N/A	N/A	Pass
Blue	E	FITC	63	63.54	541	4	0.0195	135	Pass
Blue	D	PE	130	49.99	543	6	0.1655	277	Pass
Blue	B	PerCP-Cy5-5	207	49.78	648	10	0.0089	39	Pass
Blue	A	PE-Cy7	118	100.74	700	9	0.0106	13	Pass
Red	C	APC	377	25.80	587	8	0.0253	224	Pass
Red	A	APC-Cy7	181	29.26	563	7	0.0055	1119	Pass
Violet	B	V450	64	61.05	467	7	0.0480	1992	Pass
Violet	A	V500	101	33.25	479	7	0.0224	690	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.43	-31.75	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.52
Red	15.73	13.60 - 20.40	N/A	N/A	29.00	29.69	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12365

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments